

ABSTRACT

In combination, a fluid dispenser and an electrochemical cell to produce electric energy by chemical conversion of the fluid to be dispensed. The electrical energy produced is preferably used to operate a device associated with the dispensing of the fluid as, for example, in operation of an electric pump-to-pump fluid from the reservoir. The fluid preferably is dispensed for use after dispensing in some other purpose than as a source for electrochemical energy to dispense fluid from the reservoir. For example, preferred fluid containing alcohol compounds are for use in cleaning and disinfecting.